

Monocyte isolation, macrophage differentiation, and OC generation

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Updated date: Dec 28, 2022

An abbreviated version of this protocol was published in Science Advances in Jun 2022

Suppression of osteoclast multinucleation via a posttranscriptional regulation-based spatiotemporally selective delivery system

DOI: 10.1126/sciadv.abn3333

Detailed protocol

Thank you for your question. For macrophage differentiation medium, we used MEM alpha supplemented with 10% FBS and 100 U/mL and 100 mg/mL Pen Strep plus 50 ng/mL hMCSF. For OC differentiation medium, we used MEM alpha supplemented with 10% FBS and 100 U/mL and 100 mg/mL Pen Strep plus 20 ng/mL hMCSF and 50 ng/mL hRANKL.

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Wang, Q. , Fan, S. , Liu, X. and Lin, X. (2022). Monocyte isolation, macrophage differentiation, and OC generation. Bio-protocol Preprint. bio-protocol.org/prep2096.
2. Wang, Q., Wang, H., Yan, H., Tian, H., Wang, Y., Yu, W., Dai, Z., Chen, P., Liu, Z., Tang, R., Jiang, C., Fan, S., Liu, X. and Lin, X.(2022). Suppression of osteoclast multinucleation via a posttranscriptional regulation-based spatiotemporally selective delivery system. Science Advances 8(26). DOI: [10.1126/sciadv.abn3333](https://doi.org/10.1126/sciadv.abn3333)

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